

PTO/SB/21 (04-04)

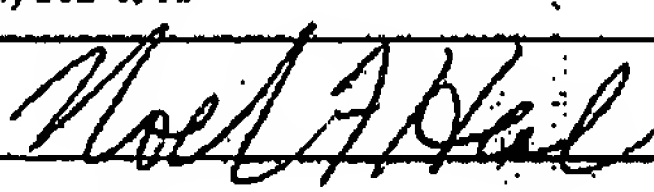
Approved for use through 07/31/2008. OMB 0651-0031
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

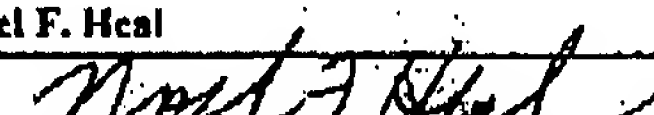
Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/631,754	
	Filing Date	08/30/2000	
	First Named Inventor	Michael E. Campbell	
	Art Unit	2686	
	Examiner Name	Rafael Perez-Gutierrez	
Total Number of Pages in This Submission	17	Attorney Docket Number	20-0139C

RECEIVED
CENTRAL EXAM CENTER
NOV 12 2004

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form (IN DEPT)	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input checked="" type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	XX - Req. for Cont. Examination
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	XX - Change of Corresp. Address
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks:	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Transmitted by facsimile to (703) 872-9306	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Noel F. Heal, Reg. No. 26,074 Northrop Grumman Space Technology (310) 812-4910
Signature	
Date	Nov. 12, 2004

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the		
Typed or printed name	Noel F. Heal	
Signature		Date
		Nov. 12, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 and select option 2.


PTO/SB/17 (10-03)

Approved for use through 07/31/2008. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2005		Complete if Known	
Effective 10/01/2004. Patent fees are subject to annual revision.		Application Number	09/651,754
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	08/30/2006
		First Named Inventor	Michael E. Campbell
		Examiner Name	Rafael Perez-Gutierrez
		Art Unit	2686
		Attorney Docket No.	20-0139C
TOTAL AMOUNT OF PAYMENT (\$)		\$790.00	

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)	
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		3. ADDITIONAL FEES	
<input checked="" type="checkbox"/> Deposit Account:		Large Entity Small Entity	
Deposit Account Number: 14-1325		Fee Code Fee (\$)	
Deposit Account Name: Northrop Grumman Corporation		Fee Description Fee Paid	
The Director is authorized to: (check all that apply)		1051 130 2051 65 Surcharge - late filing fee or oath	
<input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments		1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet	
<input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s)		1053 130 1053 130 Non-English specification	
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1812 2,520 1812 2,520 For filing a request for ex parte reexamination	
		1804 920* 1804 920* Requesting publication of SIR prior to Examiner action	
		1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action	
		1251 110 2251 55 Extension for reply within first month	
		1252 430 2252 215 Extension for reply within second month	
		1253 880 2253 480 Extension for reply within third month	
		1254 1,530 2254 785 Extension for reply within fourth month	
		1255 2,080 2255 1,040 Extension for reply within fifth month	
		1401 340 2401 170 Notice of Appeal	
		1402 340 2402 170 Filing a brief in support of an appeal	
		1403 300 2403 150 Request for oral hearing	
		1451 1,510 1451 1,510 Petition to institute a public use proceeding	
		1452 110 2452 55 Petition to revive - unavoidable	
		1453 1,370 2453 685 Petition to revive - unintentional	
		1501 1,370 2501 685 Utility issue fee (or reissue)	
		1502 490 2502 245 Design issue fee	
		1503 660 2503 330 Plant issue fee	
		1480 130 1480 130 Petitions to the Commissioner	
		1807 50 1807 50 Processing fee under 37 CFR § 1.17(q)	
		1808 180 1808 180 Submission of Information Disclosure Statement	
		8021 40 8021 40 Recording each patent assignment per property (times number of properties)	
		1809 790 2809 395 Filing a submission after final rejection (37 CFR § 1.129(a))	
		1810 790 2810 395 For each additional invention to be examined (37 CFR § 1.129(b))	
		1801 790 2801 395 Request for Continued Examination (RCE)	
		1802 900 1802 900 Request for expedited examination of a design application	
		Other fee (specify):	
		SUBTOTAL (3) (\$)	
		790.00	
		SUBTOTAL (3) (\$)	
		790.00	

SUBMITTED BY		Complete if applicable	
Name (Print/Type)	Noel F. Heal	Registration No. (Attorney/Agent)	26,074
Signature		Telephone	(310) 812-4910
		Date	Nov. 12, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.